

IN THE CLAIMS

1. (currently amended) A method for *in vivo* expression of an immunogen comprising:
administering a ~~non-mammalian~~ bacterial host cell to a mammal, wherein said host cell comprises a polynucleotide encoding an immunogen, wherein the ~~non-mammalian~~ bacterial host cell is unable to use its own machinery to express the encoded immunogen, ~~wherein the polynucleotide comprises a promoter functional in a eukaryotic cell~~, and wherein the immunogen is expressed *in vivo* by cells of the mammal.
2. (currently amended) The method of claim 1 wherein the bacterial host cell is ~~inactivated by~~ unable to use its own machinery to express the encoded immunogen due to heat treatment.
3. (currently amended) The method of claim 1 wherein the bacterial host cell is ~~inactivated by~~ unable to use its own machinery to express the encoded immunogen due to ultra-violet light exposure.
4. (currently amended) The method of claim 1 wherein the bacterial host cell is ~~inactivated by~~ unable to use its own machinery to express the encoded immunogen due to hydrogen peroxide treatment.
5. (original) The method of claim 1 wherein a plasmid comprises the polynucleotide encoding the immunogen.
6. (original) The method of claim 1 wherein the polynucleotide encoding the immunogen is incorporated into the host cell genome.
7. (original) The method of claim 1 wherein the expressed immunogen generates an immune response in the mammal.

8. (currently amended) A method of generating an immune response in a mammal comprising:

administering a ~~non-mammalian~~ bacterial host cell to said mammal, wherein said ~~inactivated~~ host cell comprises a polynucleotide encoding an immunogen, wherein the ~~non-mammalian~~ host cell is unable to use its own machinery to express the encoded immunogen, ~~wherein the polynucleotide comprises a promoter functional in a eukaryotic cell, and~~ wherein the immunogen is expressed *in vivo* by cells of the mammal, thereby generating an immune response in the mammal against the immunogen.

9. (currently amended) The method of claim 8 wherein the bacterial host cell is ~~inactivated by~~ unable to use its own machinery to express the encoded immunogen due to heat treatment.

10. (currently amended) The method of claim 8 wherein the bacterial host cell is ~~inactivated by~~ unable to use its own machinery to express the encoded immunogen due to ultraviolet light exposure.

11. (currently amended) The method of claim 8 wherein the bacterial host cell is ~~inactivated by~~ unable to use its own machinery to express the encoded immunogen due to hydrogen peroxide treatment.

12. (original) The method of claim 8 wherein a plasmid comprises the polynucleotide encoding the immunogen.

13. (original) The method of claim 8 wherein the polynucleotide encoding the immunogen is incorporated into the host cell genome.

14-24. (canceled)

25. (currently amended) The method of claim [[24]] 1 wherein the bacterial host cell is selected from the group consisting of *E. coli*, *Shigella spp*, *Bordetella spp*, *Salmonella spp*, *Bacillus spp*, *Streptococcus spp*, and *Mycobacteria spp*.

26. (withdrawn-currently amended) The method of claim 25 wherein the bacteria are bacterial host cell is *E. coli*.

27. (currently amended) The method of claim 25 wherein the bacteria are bacterial host cell is *Shigella flexneri*.

28. (withdrawn-currently amended) The method of claim 25 wherein the bacteria are bacterial host cell is *Mycobacterium bovis*.

29. (withdrawn-currently amended) The method of claim 25 wherein the bacteria are bacterial host cell is *Salmonella typhi* TY21a.

30-35. (canceled)

36. (previously presented) The method of claim [[35]] 8 wherein the bacterial host cell is selected from the group consisting of *E. coli*, *Shigella spp*, *Bordetella spp*, *Salmonella spp*, *Bacillus spp*, *Streptococcus spp*, and *Mycobacteria spp*.

37. (withdrawn-currently amended) The method of claim 36 wherein the bacteria are bacterial host cell is *E. coli*.

38. (currently amended) The method of claim 36 wherein the bacteria are bacterial host cell is *Shigella flexneri*.

39. (withdrawn-currently amended) The method of claim 36 wherein the bacteria are bacterial host cell is *Mycobacterium bovis*.

40. (withdrawn-currently amended) The method of claim 36 wherein the bacteria are bacterial host cell is *Salmonella typhi* TY21a.

41- 44. (canceled)